a hardened binder coating having a first surface adhered to the backing and a second structured surface comprising a plurality of precisely-shaped protrusions; and

a diamond-like carbon coating superposed and adhered to at least a portion of the structured surface of the hardened binder coating; and

(c) moving at least one of the substrate and the abrasive article relative to the other to provide the mechanical treatment.

A7

12 (amended). The method of claim 9, wherein said ridges each comprise a plurality of separate precisely-shaped protrusions aligned with transverse centers located on said machine direction axis.

Sub B2

20 (amended). An abrasive article comprising:

a backing having a first major surface and a second major surface; and

an abrasive coating consisting essentially of:

A8

a hardened binder coating having a first surface adhered to the backing and a second structured surface comprising a plurality of precisely-shaped protrusions; and

a diamond-like carbon coating superposed and adhered to at least a portion of the structured surface of the hardened binder coating.

A9

25 (amended). The abrasive article of claim 22, wherein said ridges each comprise a plurality of separate precisely-shaped protrusions aligned with transverse centers located on said machine direction axis.